

12/30/03
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2123

TRANSMITTAL
FORM

Application Serial Number	09/404,932
Filing Date	September 24, 1999
First Named Inventor	Friedl
Group Art Unit	2123
Examiner Name	Thangavelu, K. RECEIVED
Attorney Docket No.	MFL-001 JAN 08 2004
Patent No.	Not applicable
Issue Date	Not applicable Technology Center 2000

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Check Attached <input checked="" type="checkbox"/> Copy of Fee Transmittal Form	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets <u>54</u>]	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
<input checked="" type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
<input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Form PTO-1449 <input type="checkbox"/> Copies of IDS Citations	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Sequence Listing submission <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
	<input type="checkbox"/> Small Entity Statement	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below) <ul style="list-style-type: none">• Associate Power of Attorney (1 pg.)• Copy of Notice of Draftsperson's Patent Drawing Review (1 pg.)
	<input type="checkbox"/> CD(s) for large table or computer program	
	<input type="checkbox"/> Amendment After Allowance	
	<input type="checkbox"/> Request for Certificate of Correction <input type="checkbox"/> Certificate of Correction (in duplicate)	

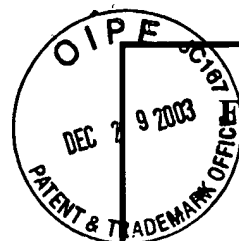
CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,

Date: December 29, 2003
Reg. No.: 53,002
Tel. No.: (617) 310-8427
Fax No.: (617) 248-7100
William R. Haulbrook, Ph.D.
Attorney for Applicants
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110



FREE TRANSMITTAL
FY 2004

Complete if Known

Application Serial Number 09/404,932

Filing Date September 24, 1999

First Named Inventor Friedl

Group Art Unit 2123

Examiner Name Thangavelu, K.

Attorney Docket No. MFL-001

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JAN 08 2004

Technology Center 2100

METHOD OF PAYMENT				FEE CALCULATION (continued)																																																																																							
1. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other				3. ADDITIONAL FEES																																																																																							
2. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531. <input type="checkbox"/> Required Fees (copy of this sheet enclosed). <input checked="" type="checkbox"/> Additional fee required under 37 CFR 1.16 and 1.17. <input checked="" type="checkbox"/> Overpayment Credit.				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Large Entity Fee (\$)</th> <th style="width:10%;">Small Entity Fee (\$)</th> <th style="width:50%;">Fee Description</th> <th style="width:30%;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>130</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>50</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>130</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>2,520</td><td>2,520</td><td>Request for ex parte reexamination</td><td></td></tr> <tr><td>110</td><td>55</td><td>Extension for reply within first month</td><td>110</td></tr> <tr><td>420</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>950</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1480</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>2010</td><td>1005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>330</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>330</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>290</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>130</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>180</td><td>180</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>770</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>770</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>100</td><td>100</td><td>Certificate of Correction for applicant's error</td><td></td></tr> <tr><td>110</td><td>55</td><td>Submission of Terminal Disclaimer</td><td></td></tr> <tr><td colspan="2">Other fee (Specify)</td><td></td><td></td></tr> <tr><td colspan="2">Other fee (Specify)</td><td></td><td></td></tr> </tbody> </table>				Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid	130	65	Surcharge - late filing fee or oath		50	25	Surcharge - late provisional filing fee or cover sheet		130	130	Non-English specification		2,520	2,520	Request for ex parte reexamination		110	55	Extension for reply within first month	110	420	210	Extension for reply within second month		950	475	Extension for reply within third month		1480	740	Extension for reply within fourth month		2010	1005	Extension for reply within fifth month		330	165	Notice of Appeal		330	165	Filing a brief in support of an appeal		290	145	Request for oral hearing		130	130	Petitions to the Commissioner		180	180	Submission of Information Disclosure Statement		770	385	Filing a submission after final rejection (37 CFR 1.129(a))		770	385	For each additional invention to be examined (37 CFR 1.129(b))		100	100	Certificate of Correction for applicant's error		110	55	Submission of Terminal Disclaimer		Other fee (Specify)				Other fee (Specify)			
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Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibault, LLP High Street Tower-125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100				Respectfully submitted, <i>William R. Haulbrook</i> William R. Haulbrook, Ph.D. Attorney for the Applicants Testa, Hurwitz & Thibault, LLP High Street Tower-125 High Street Boston, MA 02110 Date: December 29, 2003 Reg. No.: 53,002 Tel. No.: (617) 310-8427 Fax No.: (617) 248-7100																																																																																							



Express Mail Mailing Label No. EL 988705086 US

PATENT
Attorney Docket No. MFL-001
(5407/5)

#12/Drawn
1-13/02
[Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Friedl et al. CONFIRMATION NO.: 8927
SERIAL NO.: 09/404,932 GROUP NO.: 2123
FILING DATE: September 24, 1999 EXAMINER: Thangavelu, K.
TITLE: METHOD AND APPARATUS FOR MODELING INJECTION OF A
FLUID IN A MOLD CAVITY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RECEIVED

JAN 08 2004

Technology Center 2100

TRANSMITTAL OF FORMAL DRAWINGS

Sir:

In response to the NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW mailed on August 28, 2003, attached please find:

- (a) the formal drawing(s) for this application - Number of Sheets - 29 , and
- (b) a copy of the NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW.

Date: December 29, 2003
Reg. No. 53,002

Tel. No.: (617) 310-8427
Fax No.: (617) 248-7100

VER 9/00
2731255

Respectfully submitted,

William R. Haulbrook, Ph.D.
Attorney for Applicant(s)
Testa, Hurwitz, & Thibault, LLP
High Street Tower
125 High Street
Boston, Massachusetts 02110

COPY

Form PTO-948 (Rev. 03/03)

Application No. 09/404932

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

RECEIVED

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

JAN 08 2004

The drawing(s) filed (insert date) 9/24/99 are:

A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.

B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

Technology Center 2100

1. **DRAWINGS.** 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).

Color drawings are not acceptable until petition is granted. Fig(s)

Pencil and non black ink not permitted. Fig(s)

2. **PHOTOGRAPHS.** 37 CFR 1.84(b)

1 full-tone set is required. Fig(s)

Photographs may not be mounted. 37 CFR 1.84(e)

Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s)

Poor quality (half-tone). Fig(s)

3. **TYPE OF PAPER.** 37 CFR 1.84(e)

Paper not flexible, strong, white, and durable.

Fig(s)

Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted.

Fig(s)

4. **SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable sizes:

21.0 cm by 29.7 cm (DIN size A4) or

21.6cm by 27.9cm (8 1/2x 11 inches)

All drawing sheets not the same size.

Sheet(s)

Drawings sheets not an acceptable size. Fig(s)

5. **MARGINS.** 37 CFR 1.84(g): Acceptable margins:

Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm

Margins not acceptable. Fig(s)

Top (T) Left (L)

Right (R) Bottom (B)

6. **VIEWS.** 37 CFR 1.84(h)

REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.

☒ Views not labeled separately or properly.

Fig(s) 3A, 3B, 10A, 10B, 18A, 18B, 23A-23C

7. **SECTIONAL VIEWS.** 37 CFR 1.84(h)(3)

Sectional designation should be noted with

Arabic or Roman numbers. Fig(s)

8. **ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i)

Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s)

9. **SCALE.** 37 CFR 1.84(k)

Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction.

Fig(s)

10. **CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84(l)☒ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) 1-2511. **SHADING.** 37 CFR 1.84(m)

Solid black areas pale. Fig(s)

Solid black shading not permitted. Fig(s)

12. **NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p)

Numbers and reference characters not plain and legible. Fig(s)

Figure legends are poor. Fig(s)

Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s)

English alphabet not used. 37 CFR 1.84(p)(2) Fig(s)

Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s)

13. **LEAD LINES.** 37 CFR 1.84(q)

Lead lines missing. Fig(s)

14. **NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(t)

Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s)

15. **NUMBERING OF VIEWS.** 37 CFR 1.84(u)

Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s)

16. **DESIGN DRAWINGS.** 37 CFR 1.152

Surface shading shown not appropriate.

Fig(s)

Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s)

COMMENTS:

Reviewer CD

If you have questions, call (703) 305-8404.

Date 8/18/03Attachment to Paper No. 7